

Dassault Systèmes to Develop Smart Facility Solution Based on the 3DEXPERIENCE Platform

3D Experience of LifeCycle Tower ONE Building in Austria Demonstrates the Next Generation of Sustainable Management and Operations

VELIZY-VILLACOUBLAY, France — March 21, 2016 — [Dassault Systèmes](#) (Euronext Paris: #13065, DSY.PA), the 3DEXPERIENCE Company, world leader in 3D design software, 3D Digital Mock Up and Product Lifecycle Management (PLM) solutions, today announced that it has participated in a landmark smart office building project in cooperation with Rhomberg Group, Zumtobel Group, Bosch Software Innovations, and Modcam AB. With this project, Dassault Systèmes aims to introduce more sustainable management of homes, commercial buildings and factories to smart cities of the future.

The pilot project at the LifeCycle Tower (LCT) ONE building in Dornbirn, Austria was presented during the 2016 [Bosch ConnectedWorld](#) event in Berlin, Germany. The modern LCT ONE, owned by Rhomberg Group and equipped with a state-of-the-art Zumtobel lighting solution and smart controls system, is ideal to turn into an innovative connected building targeting the highest standards of sustainability and user comfort.

The LCT ONE project is the latest from Dassault Systèmes' 3DEXPERIENCECity initiative to virtually represent, extend and improve the real world and manage data, processes and people of sustainable cities. This initiative addresses architecture, infrastructure, planning, resources and inhabitants so that stakeholders can virtually explore a city's future and its effects on its citizens and the planet.

In this context, Dassault Systèmes' 3DEXPERIENCE platform offers a unified virtual environment for design, simulation and seamless exchange of information between electronics, mechatronics and sensors of each system in smart objects, buildings or vehicles. Real-time monitoring and analysis of [Internet of Things \(IoT\)](#) components and systems operations can help optimize the next generation of design.

In the LCT ONE project, the 3DEXPERIENCE platform provides real-time insights into the building's usage and technical health to optimize energy efficiency and occupancy. These include energy usage and savings per luminaire, per floor or for the entire building, 3D visualizations of presence data and a heat map that shows occupancy to help optimize usage. Maintenance insights include luminaire failure notifications, operating hours and the usage history of the lighting system. Knowledge about preferred lighting scenes helps optimize light settings and, as a result, increase end-user satisfaction.

“The IoT is evolving into the ‘Internet of Experiences,’ where devices are digitally connected to the physical world around them to become part of a living experience shaped by interactions among people, places and objects,” said Monica Menghini, Executive Vice President, Chief Strategy Officer, Dassault Systèmes. “By cooperating with Bosch Software Innovations and other innovators in their respective industries, we can demonstrate how sensor information can be easily harnessed from any big data repository in real time and linked to the 3DEXPERIENCE platform’s realistic representation of a virtual environment. In this case, the 3DEXPERIENCE building actually becomes the master reference for planning, simulating and operating the estate. Sustainable cities can become a reality sooner than we think.”

Dassault Systèmes will present this and other 3DEXPERIENCE projects during its [Design in the Age of Experience](#) conference in Milan, Italy on April 12-13, 2016.

For more information about Dassault Systèmes’ 3DEXPERIENCE initiative, please visit: <http://www.3ds.com/stories/how-can-technology-shape-future/imagining-more-sustainable-city/>

About Dassault Systèmes

Dassault Systèmes, the 3DEXPERIENCE Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes’ collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 210,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.

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